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DEC 11 2006

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To:

| NAME: | FACSIMILE: | TELEPHONE: |
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| U.S. Patent and Trademark Office; M/S AF | (571) 273-8300 | (571) 272-4105 |

FROM: Peter Yim
Reg. No. 44,417

DATE: December 11, 2006

| | | |
|-------------------------------------|---|--|
| Number of pages with cover page: | 6 | |
|-------------------------------------|---|--|

Preparer of this slip has confirmed that facsimile number given is correct:

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Comments:

PLEASE PROCESS THE ATTACHED.

Re: U.S. Patent Application No. 10/608,300
For: OPTICAL METROLOGY OF STRUCTURES
FORMED ON SEMICONDUCTOR WAFERS USING
MACHINE LEARNING SYSTEMS
By: Srinivas DODDI et al.
Our reference: 50998-20055.00

Attached is the following:

1. Transmittal (1 Page)
2. Fee Transmittal (in duplicate, 2 pages)
3. Petition for Extension of Time (1 page)
4. Notice of Appeal (1 page)

DEC 11 2006

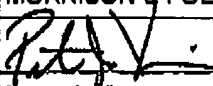
PTO/SB/21 (09-04)

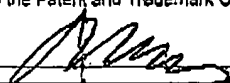
Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| | | | |
|--|----------------------|------------------------|--------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | Application Number | 10/608,300 | |
| | Filing Date | June 27, 2003 | |
| | First Named Inventor | Srinivas DODDI | |
| | Art Unit | 2121 | |
| | Examiner Name | N. Brown | |
| Total Number of Pages in This Submission | 5 | Attorney Docket Number | 509982005500 |

| ENCLOSURES (Check all that apply) | | |
|--|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate, 2 pages) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request (1 page) <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input checked="" type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) (1 page) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Facsimile Cover Sheet (not counted as part of this submission) |
| Remarks | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | |
|--|---|----------|--------|
| Firm Name | MORRISON & FOERSTER LLP (Customer No. 20872) | | |
| Signature |  | | |
| Printed name | Peter J. Yim | | |
| Date | December 11, 2006 | Reg. No. | 44,417 |

| | |
|---|--|
| I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (571) 273-8300, on the date shown below. | |
| Dated: December 11, 2006 | Signature:  (Leah Kiellen) |

sf-2239534

Approved for use through 7/31/2006. OMB 0851-0032
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| FEE TRANSMITTAL For FY 2006 | | Complete if Known | |
|--|--|----------------------|----------------|
| Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). | | Application Number | 10/608,300 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Filing Date | June 27, 2003 |
| TOTAL AMOUNT OF PAYMENT (\$) | | First Named Inventor | Srinivas DODDI |
| 620.00 | | Examiner Name | N. Brown |
| | | Art Unit | 2121 |
| | | Attorney Docket No. | 509982005500 |

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 03-1952 Deposit Account Name: Morrison & Foerster LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | 0.00 |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|--|----------|-----------------------|
| Each claim over 20 (including Reissues) | 50 | 25 |
| Each independent claim over 3 (including Reissues) | 200 | 100 |
| Multiple dependent claims | 360 | 180 |

Total Claims 29 - 29 = 0 **Extra Claims** 0 **Fee (\$)** 50 **Fee Paid (\$)** 0.00

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims 3 - 3 = 0 **Extra Claims** 0 **Fee (\$)** 200 **Fee Paid (\$)** 0.00

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|----------|---------------|
| 100 | 0 | 0 | 0 | 0 |

4. OTHER FEE(S)

| Description | Fee (\$) | Fees Paid (\$) |
|---|----------|----------------|
| Non-English Specification, \$130 fee (no small entity discount) | 120.00 | 120.00 |
| Other (e.g., late filing surcharge): 1251 Extension for response within first month | 500.00 | 500.00 |
| 1401 Notice of appeal | | |

SUBMITTED BY

| Signature | Registration No. (Attorney/Agent) | Telephone |
|--------------|-----------------------------------|----------------|
| Peter J. Yim | 44,417 | (415) 288-8373 |

| Name (Print/Type) | Date |
|-------------------|-------------------|
| Peter J. Yim | December 11, 2006 |

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